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[391] FACT - More than five Years of Reliable Operation with SiPMs in an IACT Camera

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The First G-APD Cherenkov Telescope (FACT) is pioneering the application of solid state photo detectors for imaging atmospheric Cherenkov telescopes. Since October 2011, the FACT collaboration has successfully been showing the application and reliability of silicon photo multipliers (SiPMs) for earth-bound gamma-ray astronomy. FACT is an ideal instrument to monitor bright and variable TeV Blazars on the northern sky. Due to a quick-look analysis several flare alerts were sent to the Multiwavelength Community. Monte Carlo simulations of the system could recently be improved and show a good understanding of the SiPM's properties. The simulations fit the measured data even on proton shower level.

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